Index of Claims

Application/Control No.

Reexamination

Applicant(s)/Patent under

10/643,797

LANGLOIS ET AL.

Examiner

Art Unit

Nelson Yang

1641

| √ | Rejected |
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| = | Allowed  |

(Through numeral)
Cancelled

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| Final              | Original | 6/20/06 | 90/9/6   | 3/12/07 |          |          |              |          |          |              |     |
|                    | 1        | +       | v        | v       |          | $\vdash$ | Γ            | Г        | T        |              | 1   |
|                    | 2        | +       | v        | ٧       |          |          |              | Г        | Τ        |              | i   |
|                    | 3        | +       | v        | v       |          |          |              | Г        |          |              | ĺ   |
|                    | 4        | +       | ٧        | v<br>v  |          |          |              |          |          | Г            |     |
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|                    | 5<br>6   | +       | ٧        | v<br>v  |          |          |              |          |          |              |     |
|                    | _ 7      | +       | ٧        | ٧       |          |          |              |          |          |              |     |
| ·                  | 8        | +       | V        | V       |          |          |              |          |          |              |     |
|                    | 9.       | +       | v        | v       |          |          |              | L        |          |              |     |
|                    | 10       | +       | ٧        | ٧       |          |          |              |          |          |              |     |
|                    | 11<br>12 | +       | ٧        | v<br>v  | Ŀ        |          |              | L        | _        | <u> </u>     |     |
|                    | 12       | +       | v        |         | <u> </u> |          |              | L        |          |              |     |
|                    | 13       | +       | ٧        | v       |          | <u> </u> |              | L        | L        | _            |     |
|                    | 14<br>15 | +       | ٧        | v       | <u> </u> | L        |              | L        | _        |              |     |
|                    | 15       | +       | ٧        | v       |          |          |              | 乚        |          |              | ]   |
|                    | 16       | +       | ٧        | v       | <u> </u> | _        | L            | _        |          |              |     |
|                    | 17       | +       | ٧        | ٧       |          |          |              | L        |          |              |     |
|                    | 18       | +       | ٧        | ٧       |          |          |              |          |          |              |     |
| ·                  | 19<br>20 | +       | V        | ٧       | L        |          |              |          |          |              | ]   |
|                    | 20       | +       |          | v       |          |          |              | _        |          |              | ].  |
|                    | 21       | +       | ٧        | Ŀ       | $\Box$   |          |              |          |          |              |     |
|                    | 22<br>23 | +       | V        | Ŀ       |          |          |              | L        |          | L            | ] . |
|                    | 23       | +       | ٧        | Ŀ       |          |          |              | _        |          |              | ] . |
|                    | 24<br>25 | +       | v        | ŀ       |          |          |              |          |          |              |     |
|                    | 25       | +       | V        | Ŀ       | L        | _        | L            | _        |          |              |     |
|                    | 26       | +       | ٧        | Ξ       |          | <u> </u> | L            | <u> </u> |          |              |     |
|                    | 27<br>28 | +       | ٧        | V       |          | _        | <u> </u>     | L        |          |              |     |
|                    | 28       | +       | 0        | -       | L.       |          | ldash        |          | _        |              |     |
|                    | 29       | +       | v        | ٧       |          | <u> </u> | <u> </u>     |          | ļ_       |              |     |
|                    | 30       | +       | V        | ٧       |          |          | _            |          | <u> </u> |              |     |
|                    | 31       | +       | ٧        | ٧       |          | _        | L_           | _        | _        |              | ll  |
|                    | 32<br>33 | +       | ٧        | ٧       |          | L        |              | <u> </u> | ļ        | ļ            | Į I |
|                    | 33       | +       | <u>v</u> | ٧       | <u> </u> | <u> </u> |              | <u> </u> |          | <u> </u>     |     |
|                    | 34       | +       | ٧        | ٧       | Щ.       | <u> </u> |              | Ь.       | <u> </u> | L.           |     |
|                    | 35       | +       | ٧        | ٧       | Ш        | L-       |              |          | _        | <u> </u>     |     |
| $\vdash \vdash$    | 36       | +       | <b>v</b> | ٧       | _        | _        | _            | _        |          | L            |     |
|                    | 37       | +       | ٧        | ٧       | <b>-</b> | $\vdash$ |              | <u> </u> | <u> </u> | <u> </u>     |     |
| $\vdash$           | 38       | +       | ٧        | ٧       | Ь.       | $\vdash$ | _            | H        | <u> </u> | _            |     |
| $\vdash$           | 39       | +       | V        | ٧       | Ш        | $\vdash$ | <u> </u>     | Ш        | _        | <u> </u>     |     |
| $\vdash$           | 40       | +       | ٧        | V       | <b> </b> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> — </u>   |     |
|                    | 41       | +       | N        | N       | $\vdash$ | <u> </u> | <del> </del> | <b> </b> | <u> </u> | $\vdash$     |     |
| <u> </u>           |          | +       | N        | N       | -        | $\vdash$ | <u> </u>     |          | <u> </u> | <u> </u>     |     |
| $\vdash$           | 43       | +       | N        | N       | <u> </u> | -        | <u> </u>     |          | <u> </u> | -            |     |
| ┝─┤                | 44       | +       | N        | N       | <u> </u> | -        | <u> </u>     | $\vdash$ | <u> </u> | <del> </del> |     |
| $\vdash$           | 45       | +       | N        | N       | -        | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | ├            |     |
| $\vdash$           | 46       | +       | N        | N       | <u> </u> | $\vdash$ | <u> </u>     | $\vdash$ | $\vdash$ | <u> </u>     |     |
| $\vdash \vdash$    | 47       | +       | N        | N       | -        | $\vdash$ | <u> </u>     | Ь.       | -        | <del> </del> |     |
| $\vdash$           | 48       | +       | N        | N       |          |          | <u> </u>     | $\vdash$ | $\vdash$ | -            |     |
| $\vdash$           | 49       | +       | N        | N       | $\vdash$ |          | <u> </u>     | $\vdash$ |          | <u> </u>     |     |
| $ldsymbol{\sqcup}$ | 50       | +       | N        | N       |          | Щ.       |              |          | Щ.       | Щ            | J ( |

| Cla      | Date   |  |              |          |              |  |                                     |          |              |          |
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| -        | 55<br>56   | -  | ┢            | ┢        | ┢            | -  | $\vdash$                            | -        | <del> </del> | $\vdash$ |
|          | 57   | _  | -            | $\vdash$ | -            | -  | -                                   | $\vdash$ | $\vdash$     | -        |
| -        | 58   |  | _            | H        | <u> </u>     |  | -                                   | -        | ┢            | $\vdash$ |
|          | 58<br>59   |  | -            | $\vdash$ |              |  | _                                   | $\vdash$ | ┢            | -        |
| _        | 60   | -  | -            | $\vdash$ | -            | ┢  | _                                   | $\vdash$ | ┢            | -        |
|          | 61   | _  | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$   | _                                   | $\vdash$ | -            | -        |
|          | 61<br>62   | -  |              | -        | -            | $\vdash$   |                                     | $\vdash$ | $\vdash$     | $\vdash$ |
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|          | 63<br>64<br>65<br>66<br>67                                     | -  | $\vdash$     | $\vdash$ |              | $\vdash$   | <u> </u>                            | $\vdash$ | <u> </u>     | -        |
|          | 66   |  |              | <u> </u> | $\vdash$     | $\vdash$   | _                                   | $\vdash$ | $\vdash$     | <u> </u> |
| -        | 67   | _  | _            | _        | -            | -  | ⊢                                   | _        | -            | ⊢        |
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|          | 68   | _  | _            | -        | _            | $\vdash$   | _                                   | _        | _            | _        |
| -        | 59   | -  |              | -        |              | _  | ┡                                   | ┡        | _            | _        |
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|          | /1   |  |              | L        | _            | _  | <u> </u>                            | $\vdash$ | <u> </u>     | _        |
| -        | 12   | _  | _            | _        |              | _  |                                     |          | H            |          |
|          | /3   | <u> </u>   | _            |          |              |  | Ŀ                                   | _        |              |          |
| <u> </u> | 74   | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>     |  |                                     |          | _            |          |
|          | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | <u> </u>   | _            | _        | <u> </u>     | _  |                                     | <u> </u> | _            |          |
|          | 76   |  | _            | _        | _            | _  |                                     | _        |              | _        |
|          | 77   |  | _            |          |              | _  | _                                   |          |              |          |
|          | 78   |  | <u> </u>     | _        | _            | _  | _                                   | _        | _            |          |
| ļ        | 79   |  | <u> </u>     | _        | L            |  |                                     | _        |              | _        |
| <u> </u> | 80<br>81   | L  | <u> </u>     | _        | _            |  | _                                   |          |              |          |
| <u> </u> | 81   | _  |              | L        | L            | _  | _                                   | _        |              |          |
|          | 82<br>83   | <u> </u>   | <u> </u>     | L        |              |  |                                     |          |              |          |
| L        | 83   | _  | <u> </u>     | <u> </u> | L.,          | $\sqcup$   | :                                   |          |              | L.       |
|          | 84   | <u> </u>   | <u> </u>     | <u> </u> | oxdot        | <u> </u>   | Ш                                   |          | <u> </u>     | _        |
| <u></u>  | 85   | _  | _            | <u> </u> | <u> </u>     | _  | _                                   | _        | $\vdash$     | <u> </u> |
| <u></u>  | 86   | L  | <u> </u>     | <u> </u> |              | <u> </u>   | <u> </u>                            | L        | _            | _        |
| <u> </u> | 87   | _  | <u> </u>     | L        | $\vdash$     | ļ  |                                     | L        | $oxed{oxed}$ |          |
|          | 88   | <u> </u>   | _            | <u> </u> | <u> </u>     | $ldsymbol{ldsymbol{\sqcup}}$                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | $oxed{oxed}$ | _        |
|          | 89   | <u> </u>   | <u> </u>     | L_       | $oxed{oxed}$ |  | <u> </u>                            | <u> </u> | <u> </u>     | L.       |
| L_       | 90   | <u> </u>   | _            | <u> </u> | L.           | L.,  | <u> </u>                            | L        |              |          |
| <u> </u> | 91   | _  | <u> </u>     |          | $\vdash$     | <u> </u>   |                                     | _        |              | <u> </u> |
|          | 92   |  | L            |          | _            | _  | L                                   | <u> </u> |              |          |
|          | 93   | <u> </u>   |              |          | L            |  | Щ                                   |          | <u> </u>     | <u> </u> |
| $\vdash$ | 94   | _  |              | L        |              | L_   | <u> </u>                            |          | L.           | _        |
|          | 95   | $ldsymbol{ld}}}}}}$ | $oxed{\Box}$ |          |              |  | _                                   | _        |              |          |
| <u></u>  | 96   | <u>L</u>   | Ш            | L        | L.,          |  | <u> </u>                            | $\Box$   | Щ            | L_       |
|          | 97   |  | _            |          |              |  | L.,                                 |          | L            |          |
|          | 98   |  | L            |          |              |  |                                     |          |              |          |
|          | 99   |  |              |          |              |  |                                     | ]        |              |          |

| Cli   | aim_  | Date     |          |              |          |                                     |          |          |          |                 |  |
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| Final | Original                                      |          |          |              | :        |                                     |          |          |          |                 |  |
|       | 101<br>102<br>103                             |          |          |              |          |                                     |          |          |          |                 |  |
|       | 102   |          |          |              |          |                                     |          |          |          |                 |  |
|       | 103   | L_       | _        | _            | L        | _                                   |          | _        | _        | Ш               |  |
|       | 104   | _        | _        | _            |          | _                                   | _        | L        | _        | Щ               |  |
|       | 105<br>106                                    |          | <u> </u> |              |          | <u> </u>                            | <u> </u> | _        | <u> </u> | Ш               |  |
|       | 106   | _        | _        | _            |          | _                                   | <u> </u> | _        | <u> </u> | Н               |  |
|       | 107   |          | _        | H            |          | -                                   | ├—       | ├—       | ├-       | $\vdash \vdash$ |  |
|       | 108<br>109                                    | -        | ⊢        | $\vdash$     |          | ⊢                                   | ┝        | ┝        | $\vdash$ | $\vdash\vdash$  |  |
|       | 110   |          | -        | -            | -        | $\vdash$                            | -        | ├        | ┝        | Н               |  |
|       | 110<br>111                                    |          | _        | $\vdash$     | _        | _                                   | ┝        | ┝        | $\vdash$ | $\vdash$        |  |
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|       | 113<br>114<br>115                             |          | _        | $\vdash$     |          |                                     |          | $\vdash$ | $\vdash$ | П               |  |
|       | 115   |          |          |              |          |                                     |          |          |          | П               |  |
|       | 116<br>117                                    |          |          |              |          |                                     | П        |          |          |                 |  |
|       | 117   |          |          |              |          |                                     |          |          |          |                 |  |
|       | 118   |          |          |              |          |                                     |          |          |          |                 |  |
|       | 119   |          |          |              |          |                                     |          |          |          |                 |  |
|       | 120   |          |          |              |          |                                     |          |          |          |                 |  |
|       | 121   |          | L        |              |          |                                     |          | Ŀ        | L        | Ш               |  |
|       | 121<br>122<br>123                             |          | L        |              |          |                                     | _        | 匚        |          | Ш               |  |
|       | 123   | _        | <u> </u> |              | _        | $ldsymbol{f eta}$                   | _        | <u> </u> | <u> </u> | Щ               |  |
|       | 124   | _        | _        | _            | _        |                                     |          | _        |          | Щ               |  |
|       | 125   | _        | <u> </u> |              |          | $\vdash$                            |          | $\vdash$ | <u> </u> | Щ               |  |
|       | 124<br>125<br>126<br>127<br>128<br>129<br>130 | _        | ├        |              |          | -                                   | -        | <u> </u> | <u> </u> | H               |  |
|       | 127   | -        | ├        | _            |          | -                                   |          | ├        | ⊢        | $\vdash$        |  |
|       | 120   |          | ├        | -            | _        | _                                   | $\vdash$ | ⊢        | ⊢        | H               |  |
|       | 130   | ┢        | ├        |              |          | ⊢                                   | <u> </u> | ├-       | $\vdash$ | $\vdash$        |  |
|       | 131   |          | -        |              |          | $\vdash$                            | -        | $\vdash$ | ┢        | $\vdash$        |  |
|       | 132   | _        |          |              | _        | Н                                   | $\vdash$ | $\vdash$ | $\vdash$ | Н               |  |
|       | 132<br>133                                    | $\vdash$ | $\vdash$ |              | <u></u>  | H                                   | _        | $\vdash$ | $\vdash$ | Н               |  |
|       | 134   | Т        |          |              |          | Т                                   | <u> </u> |          |          | H               |  |
|       | 135   |          |          |              |          |                                     |          |          |          |                 |  |
|       | 135<br>136                                    |          |          |              |          |                                     |          |          |          |                 |  |
|       | 137<br>138                                    |          |          |              |          |                                     |          |          |          |                 |  |
|       | 138   | _        |          | <u> </u>     |          |                                     | _        | _        |          | Ш               |  |
|       | 139   |          | <u> </u> | $oxed{oxed}$ | L.,      | L_                                  | _        | _        | L.       | Ш               |  |
|       | 140   | _        | <u> </u> | <u> </u>     | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | $\vdash$ | <u> </u> | Ш               |  |
|       | 141   | <u> </u> | <u> </u> | $\vdash$     | <u> </u> | <u> </u>                            | <u> </u> | _        | <u> </u> | _               |  |
|       | 142   | H        | <u> </u> | $\vdash$     | H        | $\vdash$                            | $\vdash$ | H        | $\vdash$ | Щ               |  |
|       | 143   | $\vdash$ | $\vdash$ | $\vdash$     | -        | $\vdash$                            | <u> </u> | ⊢        | -        | $\vdash$        |  |
|       | 144<br>145                                    | $\vdash$ |          | -            | $\vdash$ | $\vdash$                            | H        | -        | $\vdash$ | $\vdash \vdash$ |  |
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|       | 150   | Н        | Н        | Н            |          |                                     |          | H        | H        | Н               |  |
|       |   |          |          |              |          |                                     |          | _        |          |                 |  |